APPROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R001031500018-6

360სი \$/040/62/026/002/012/025 უ299/უ301

10.1200

AUTHOR:

Makeyev, N.N. (Perm')

TITLE:

On the collision of gas jets

PERIODICAL:

Prikladnaya matematika i mekhanika, v. 26, no. 2,

1962, 308 - 315

TEXT: The exact solution is given to the plane problem of collision between gas jets which flow from co-axial channels of finite width; the channel walls are parallel. The velocity vo at the free surface is subsonic. The solution of the problem reduces to the solution of Dirichlet's problem for Chaplygin's equation

in a semicircle; here $\beta=1/(\varkappa-1)$, $\varkappa=c_p/c_v$. The solution is sought in the form of Fourier series. The obtained formulas contain as particular cases, well known results of other investigators (Chaplygin, Slezkin, Troshin). A new system of coordinates (ξ, η) , \sqrt{card} 1/4

Observation on the work of ...

28510 S/040/61/025/002/022/022 D201/D302

$$\frac{h}{H} = \frac{\varkappa - 1}{2\varkappa} \left(\frac{p_0}{p} - 1\right) \left[\left(\frac{p_0}{p}\right)^{\frac{\varkappa - 1}{\varkappa}} - 1 \right]^{-1}$$
(2.6)

This elementary expression also applies in the case q = 2. There are 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: M.J. Lighthill, The hodograph transformation in transonic flow, II, Proc. Roy. Soc., 1947, A, 111, 341 - 351.

SUBMITTED: March 12, 1960

Card 5/5

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-

28510

Observations on the work of ...

S/040/61/025/002/022/022 D201/D302

regular for $\tau = 0$. The formula for a Bord nozzle is

$$\frac{h}{H} = \frac{T_1(\tau_0)}{2\tau_0 T_1'(\tau_0) + T_1(\tau_0)}$$
 (2.1)

where H is the diameter of the nozzle, and h is the diameter of the jet. The work of I.A. Kibel' (Ref. 3: N.Ye. Kochin, I.A. Kibel and N.V. Poze, Toereticheskaya gidromekhanika (Theoretical Hydrodynamics) Gostekhizdat, 1948, t. II, str. 122) gives the formula for the jet in the general case as

$$\frac{h}{H} \left(1 - \frac{8}{\pi g^2} \sin \frac{\pi q}{2} \sum_{m=1}^{\infty} (-1)^m \left[1 + \frac{\tau_0}{m} \frac{y'_{2m}(\tau_0)}{y_{2m}(\tau_0)}\right] \frac{m}{4m^5/q^2 - 1}\right)^{-1}$$
 (2.3)

With q=2, (2.3) reduces to (2.1). Hence T_1 is elementary, and by means of Lighthill's transformation and, e.g. the formulae of San-Venan and Ventsel', one obtains S.A. Khristianovich's formula for the jet.

Card 4/5

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

28510 S/040/61/025/002/022/022 of ... D201/D302

Observations on the work of ...

 $y_n(\tau) = y_{1/2n}(\tau)$ is a hyper-geometric function. Assuming

$$\lambda = \frac{\pi}{2Q}, \quad \theta_{\rm m} = -n\theta, \quad A = -\frac{\pi}{2}, \quad B = -\frac{1}{2}$$
 (1.4)

and finding $\mathbf{B}_{\mathbf{m}}$ by means of

$$0 = 2 \sum_{n=1}^{\infty} \frac{(-1)^{n+1}}{n} \sin n0 \qquad (-n < 0 < \pi)$$

a solution for y can be found,

$$\psi = -\frac{Q}{\pi} (\theta + \pi) + \frac{2Q}{\pi} \sum_{n=1}^{\infty} \frac{(-1)^{n+1} \frac{T_n(\tau)}{T_n(\tau_0)} \sin n\theta}{T_n(\tau_0)}$$
 (1.5)

where $T_n(\tau) = T_{2m}(\tau) = \tau^m y_m(\tau)$ is a solution of

$$\tau^{2}(1-\tau)\frac{d^{2}T}{d\tau^{2}} + \tau[1+(\beta-1)\tau]\frac{dT}{d\tau} - m^{2}[1-(2\beta+1)\tau]T = 0$$
(1.6)

28510 S/040/61/025/002/022/022 D201/D302 Observations on the work of ...

potential and stream function, we is the specific heat of the gas, k is the coefficient in the adiabatic equation, θ is the angle between V and the x-axis. Chaplygin's equations have the form $\frac{\partial \psi}{\partial y} = (1-\tau)^{\beta} \frac{\partial \phi}{\partial x}, \quad \frac{\partial \psi}{\partial x} = -(1-\tau)^{\beta} \frac{\partial \phi}{\partial y} \qquad (1.1)$

$$\frac{\partial \psi}{\partial y} = (1 - \tau)^{\beta} \frac{\partial \varphi}{\partial x}, \qquad \frac{\partial \psi}{\partial x} = -(1 - \tau)^{\beta} \frac{\partial \varphi}{\partial y} \tag{1.1}$$

or in the plane of the hodograph

$$\frac{\partial \varphi}{\partial \theta} = \frac{2\tau}{(1-\tau)^{\beta}} \frac{\partial \psi}{\partial \tau}, \qquad \frac{\partial \varphi}{\partial \tau} = -\frac{1-(2\beta+1)\tau}{2\tau(1-\tau)^{\beta+1}} \frac{\partial \psi}{\partial \theta}$$
 (1.2)

The stream function is then of the form

$$\lambda \psi = A + B\theta + \sum_{m=1}^{\infty} B_m \left(\frac{\tau}{\tau_0}\right)^m \frac{y_m(\tau)}{y_m(\tau_0)} \sin\left(2m\theta + \theta m\right) \tag{1.3}$$

K,

where λ , A and B are constants, B is a numerical coefficient, and

Card 2/5

10.1200

28510 8/040/61/025/002/022/022 D201/D302

AUTHOR:

Makeyev, N.N. (Saratov)

TITLE:

Observations on the work of Ya.I. Sekerzh-Zen'kovich "On the theory of the Bord nozzle for a gas"

PERIODICAL: Prikladnaya matematika i mekhanika, v. 25, no. 2,

TEXT: The article is a refutation of the conclusion drawn in the article of Ya.I. Sekerzh-Zen'kovich (Ref. 2: K. teorii nasadka Borda dlya gaza, PMM, 1957, t. XXI, vyp. 6, str. 850-855), in which the latter states that the result in S.A. Chaplygin (Ref. 1: O gazovykh struyakh. Polnoye cobr. soch. S.A. Chaplygin, Izd-vo AN SSSR, 1933, t. 11, str. 3-90) do not hold in the case q = 2.

Chaplygin's article deals with the efflux of a gas at subsonic speed from an infinite vessel with angle q between the walls. The following notation is used: V is the velocity vector with components u and v along the axes, $\varphi(x, y)$, $\psi(x, y)$ are the velocity

MAKEYEV, N.H. A generalization of the Eddington-Poincaré equation. Astron.zhur. 37 no.6:1125-1127 N-D 60. (MIRA 13:12) (MIRA 13:12) 1. Saratovskiy gosudarstvennyy universitet im. N.G. Chernyshevskogo. (Mechanics, Celestial)

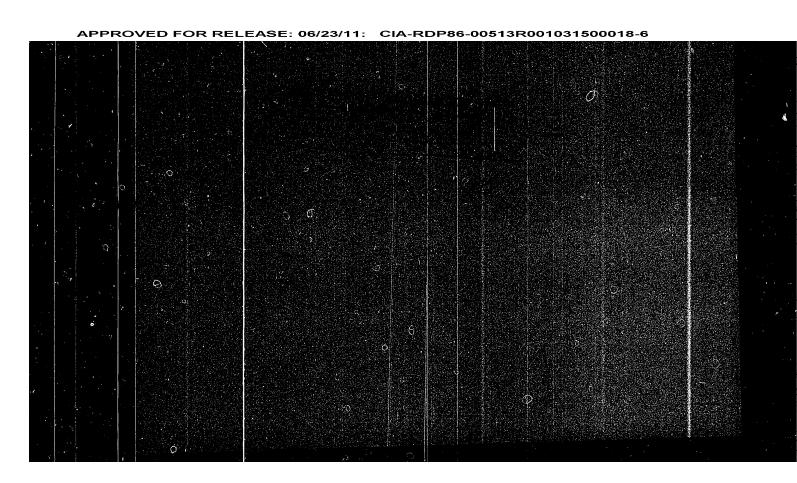
L 42937-66

The study of changes in intensity of cosmic radiation depending on its great distance from the sun is also considered of great importance. In order to study physical conditions in outer space, the Venus 2 and Venus 3 were equipped with the following instruments: a three-component ferrosounding magnetometer to measure interplanetary magnetic fields; gas-discharge meters and a semiconductor detector to study cosmic rays; special sensors (traps) to measure the flow of low-energy charged particles and to determine the magnitude of solar plasma and their energy spectra; piezoelectric sensors to study micrometeors; a radio receiver to measure cosmic radiation in wave ranges of 150 m, 1500 m, and 15 km. The above set of instruments provides for study of the basic characteristics of physical conditions in interplanetary space.

SUBM DATE: none 22/ SUB CODE: 03,04,

Card 2/2 MLP

AN6008036 (A,N) SOURCE CODE: UR/9008/66/000/055/0006/0006 AUTHOR: Makeyev, N. I. (Editor in Chief) TITLE: The flight of automatic interplanetary stations Venus 2 and Venus 3 ORG: none SOURCE: Krasnaya zvezda, 6 Mar 66, p. 6, col. 1-7 TOPIC TAGS: solar wind, cosmic ray, solar magnetic field, satellite sensor system, magnetometer, gas discharge counter, semiinterplanetary probe, solar activity, field, interplanetary space, conductor detector, radiation belt, solar plasma interplanetary probe, Venus 3 interplanetary probe ABSTRACT: The author discusses the study of solar cosmic rays, the solar magnetic field, the solar wind, and the earth's radiation belts during the present period of minimum sclar activity, and stresses the importance of this research in determining the boundaries of the earth's atmosphere. The flight of the Venus station beyond the earth's magnetosphere made it possible to study the low-energy component of cosmic rays, which does not reach the earth because of the magnetic field.



MAREYEV, N USSR/Engineering - Arc welding 1/1 Pub. 128 - 18/32 Card Stepanov-Grebenshikov, N. M. and Makeev, N. I. Authors Electrical arc-welding with copper-electrodes having a special coating Title Vest. mash. 34/7, 61-64, July 1954 Periodical The author gives some information on electrical arc-welding of various alloys, with specially coated, mark ML and MS, electrodes. The composition of the electrodes, and methods of welding are described. Illustra-Abstract tions depicting the microstructure of steel, and other alloys, are presented. Tables; diagram. Institution Submitted Gualuation B-83422

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

MAKEYEV, N. I.

PA 233T45

USSR/Metallurgy - Welding, Copper

Aug 52

"Electric Arc Welding of Copper Using a Copper Electrode With Quality Coating," P. T. Dmitriyev, N. M. Stepanov-Grebennikov, N. I. Makeyev, Engineers

"Avtogen Delo" No 8, pp 1-4

Reviews existing methods of copper joining, finding them unsatisfactory, and suggests new method developed by group of workers of a machine-building plant after experimenting for 1 1/2 yrs. Method is based on using copper electrode with special coating named Komsomolets-100," consisting of following components; ferromanganese, silicon copper, fluorspar, feldspar, and water glass. Discusses results of testing new electrodes.

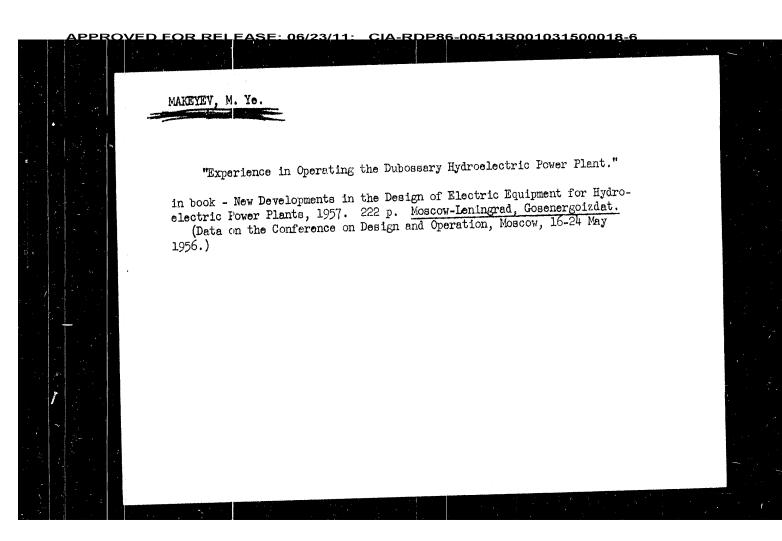
PA 233T45

MAKEYEV, N. I.

"The Problem of Increasing the Fertility of Leached-Out Chernozens and Alkaline-Saline Soils of Krasnodarskaya Oblast." Cend Agr Sci, Omak Agricultural Inst imeni 3. M. Kirov, Omak, 1954. (KL, No. 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSA Higher Educational Institutions (13)

SO: Sum. No. 598, 29 Jul 55



BOGATSKIY, V.V.; MAKEYEV, M.M. Geological and geophysical characteristics of magnetite deposits of the northern part of the Western Sayan Mountains. Razved.i okh.nedr 28 no.1:5-11 Ja 462. (MIRA 15:3 (MIRA 15:3) 1. Krasnoyarskoye geologicheskoye upravleniye. (Sayan Mountains.....Magnetite)

YAKUBCHIK, A.I.; NIKITINA, V.D.; Prinimali uchastiye: KONOVALOVA, V.I.; MAKEYEV, M.K. Chemical structure of bivinyl polymers obtained in the presence of butyllithium. Zhur.prikl.khim. 35 no.12:2749-2753 D '62. (MIRA 16:5) (Butadiene) (Lithium) (Polymerization)

1. MAKEYEV, M.I., ENG.; TIKHONOV, L.P., ENG.
2. USSR (600)
4. Windlass
7. New, powerful winches for tractors. Mekh.stroi. 9 no.9, 1952.

MAKEYEV, M.G., kand. tekhn. nauk; YEREMEYEV, P.V., kand. tekhn. nauk Hard facing the flanges of electric locomotive wheel bandages in carbon dioxide. Svar. preizv. no.6:6-8 Je '65. (MIAA 18:8) 1. Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni institut inzhenerov zheleznodorozhnogo transporta.

LAMPERT, F.F.; MAKEYEVA, M.G.

Hygienic problems of housing in the Far North. Probl. Sev.

no.6:77-82 '62.

1. Institut obshchey i kommunal'noy gigiyeny imeni A.N.Sysina

AMN SSSR.

(Russia, Northern—Housing—Hygienic aspects)

MAKEYEV, M.G., kand.tekhn.nauk; AKSENOVA, L.A., inzh. Effect of repeated building up on the structure and mechanical properties of metals in the area of locally roller-treated surfaces and flanges. Trudy MIIT no.160:87-106 '62.

(MIRA 16:2) (Metals—Fatigue) (Electric welding--Testing)

AFFTO/ABD Pr-h JD/HM 8/0137/63/000/005/E017/E017 MR (S) (SEF (A) (SEF (A) (SUB NR - 187009750 Zh. Metallurgiya, Aba. 518108 SOURCE lakeyev, M. G., Aksenova, L. A. APPH(H) pe Problem of welding with a vibrating electrode CITED SCURGE: Tr. Mosk. in-ta inzh. zh.-d. transp., vy*p. 160, 1962, 76-86 TOPIC TAGE: welding, vibrating electrode, static tension, viscosity, bending TRANSLATION: Welding by a vibrating electrode with the aid of an electrode holder of improved construction was investigated. The basic parameters of the welding process and welding quality were determined. It was established that the submer tion of the electrode during the welding process leads to a considerable increase in the cutput and basic strength indices: op in static tension is increased by 5.1%, a, is increased by 12.2%, and the number of cycles before by sakdown in the case of alternating bending increased by 90%. el, le viorit ekova. ENCL: 00 SUB CODE: ML 21 Jun 63 DATE ACQ Cord 1/1

YEREMETEV, P.V., kand.tekhn.nauk; MAKEYEV, M.G., kand.tekhn.nauk

Design and performance of the universal automatic head for the weaving arc welding in the building up of parts for the rolling stock. Trudy MIIT no.160:57-75 '62. (MIRA 16:2)

(Electric welding—Equipment and supplies)

Physical Metallurgy (Cont.) SOV/3232 COVERAGE: The book presents the theoretical principles of physical metallurgy and gives methods for producing metals and alloys. addition, information is given on methods of heat treatment, foundry practice, metal forming, and welding. A number of Soviet references appear at the end of each chapter. TABLE OF CONTENTS: From the authors 3 Introduction 4 PART I. PHYSICAL METALLURGY AND HEAT TREATMENT Ch. I. Theory of Alloys 7 7 1. Atomic and crystalline structure of metals Solidification (crystallization) of metals 2. 10 3. Alloys 13 Structure of constitution diagrams of alloys 15 18 5. Constitution diagram of Type I alloys Card 2/16

-RDP86-00513R001031500018-6

APPROVED FOR REL EASE: 06/23/11: CIA-RDP86-00513R001031500018-6

MAKEYEY M. G.

18(7); 25(1) PHA

PHASE I BOOK EXPLOITATION

SOV ----

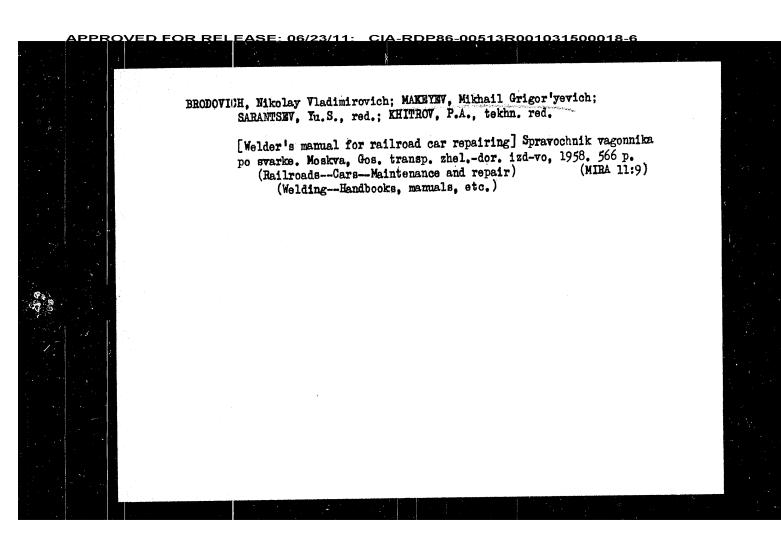
Kislik, Vladislav Afanas'yevich, Doctor of Technical Sciences, Professor; Aleksandr Filippovich Troitskiy, Doctor of Technical Sciences, Professor; Dmitriy Grigor'yevich Ivannikov, Doctor of Technical Sciences, Professor; and Mikhail Grigor'yevich Makeyev, Candidate of Technical Sciences, Docent.

Metallovedeniye i goryachaya obrabotka metallov (Physical Metallurgy and Hot Working of Metals), Moscow, Transzheldorizdat, 1959. 392 p. 10,000 copies printed.

Ed. (Title page): V. A. Kislik, Doctor of Technical Sciences, Professor; Eds. (Inside book): V. V. Danilevskiy, Candidate of Technical Sciences, and Yu. S. Sarantsev, Engineer; Tech. Ed.: P. A. Khitrov.

PURPOSE: This is a textbook for use in higher institutes of locomotive and railroad-car manufacture. It may also be used as a reference book by technical personnel at plants, depots, and track-maintenance shops connected with railroads.

Card 1/16-



MAKEYEV, MIKHAN CRICAN YEVICH

YMRNMYIV, Petr Vladimirovich; MAKNYEV, Mikhail Grigor'yevich; BERESTOVOY,
Ye.I., insh.red.; KHIROV, P.A., tekhn.red.;

[Hard facing and strengthening bands in locomotives; practices of
leading depots] Naplavka i uprochnenie bandazhei lokomotivov;
opyt peredovykh depo. Moskva, Gos. transp. zhel-dor. izd-vo,
1958. 46 p.

(Hard facing) (Car wheels)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

SOV/137-58-7-15073

The Effect of an Electrode Vibration (cont.)

electrodes with diameters of 4 and 5 mm are employed: the coefficient of fusion α_f ; the coefficient of beading σ_{be} ; the coefficient of losses, ψ , and the rate of fusion of the electrode, v_{fs} . It was established that a satisfactory weld is formed at amplitudes of 0.6, 1.2, and 1.8 mm; at amplitudes of 2.4 and 3.0 mm the external appearance of the welded seam is impaired. In most instances, as the amplitude is increased the values of α_f , α_p , and v_{fs} increase also, whereas ψ diminishes. Maximum α_f and α_p values were observed at amplitudes of 0.6 and 0.9 mm. In the course of such a process, as compared with regular welding procedures, the values of α_f and α_p increase by 8.2-29.4% and 2.2-40.8%, respectively, while the ψ diminishes by 6.3-52.7%.

V.P.

1. Arc welding--Electrodes 2. Electrodes--Vibration 3. Arc welding--Performance 4. Vibration--Control systems

Card 2/2

SOV/137-58-7-15073

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 165 (USSR)

AUTHOR: Makeyev, M.G.

The Effect of Electrode Vibration on the Productivity of N.G. Slavyanov's Electric Arc-welding Process (Vliyaniye vibratsii elektroda na proizvoditeľnosť elektrodugovoy svarki po metodu N.G. Slavyanova)

PERIODICAL: Tr. Mosk. in-ta inzh. zh.-d. transp., 1957, Nr 93, pp 191-

ABSTRACT: The author comments on the possibility of increasing the productivity of the welding process by increasing the rate at which drops of metal break away from the electrode. A vibrating electrode holder was constructed equipped with an electromagnet which was connected to the 65-v terminals of the welding transformer. The core of the electromagnet is a plate on one end of which the electrode is mounted. The amplitude of the vibrations is controlled by means of a stop screw. Investigations were carried out in order to determine how the amplitude of the vibrations affects the following factors when elec-Card 1/2 trodes of the type OMM-5, TsM-7, MEZ-04, as well as chalk

TITLE

MAKEYEV, M.G., kandidat tekhnicheskih nauk. Effect of the vibration of liquid metal of the welding bath on the quality of built-up metal. Trudy MIIT no.82/83:150-174 '55.

(MLRA 9:8) MAKEYNV, M.G., kandidat tekhnicheskikh nauk. Thermodynamic calculation of the temperatue of a gasolineoxygen flame.

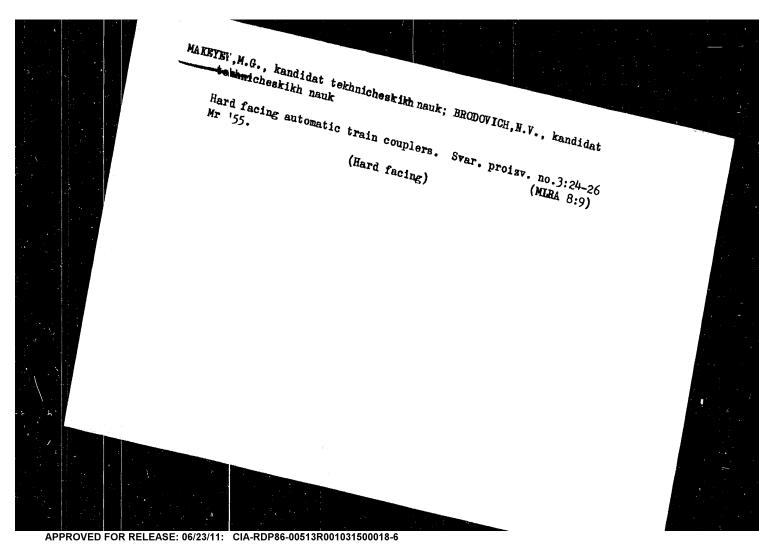
Trudy MIIT no.82/83:62-75 '55.

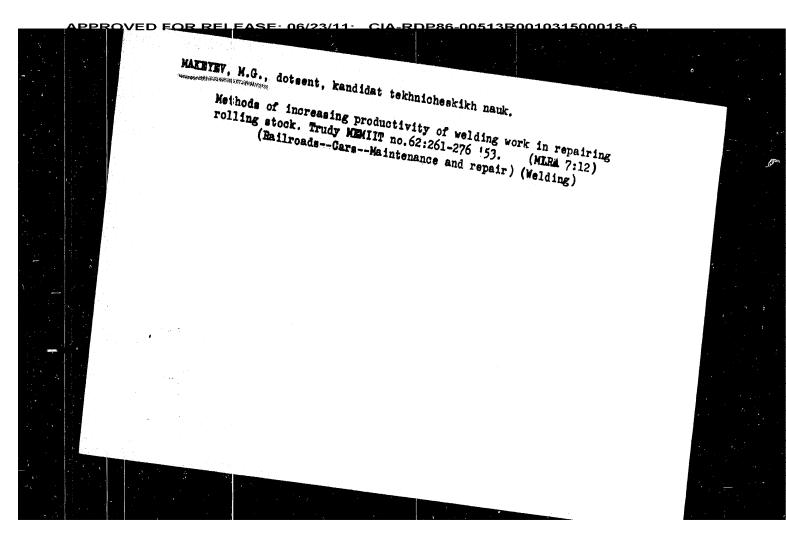
(Gas welding and cutting)

(Flame)

(Flame)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6





PAL'CHUK, W.Yu., Eng.; MAKAROV, N.I., Eng.; MAKEYEV. M.G., Eng.; BRODOVICH, N.V., Eng.; Electric Welding Welding with electrode cluster. Avtog. delo, 23, No. 6, 1952. 9. Monthly List of Russian Accessions, Library of Congress, October -195**%** Uncl.

WAKEYEV, M. G.

USER/Engineering - Welding, Processes May 52

"Concerning Dependence of the Melting Coefficient on Welding Current," M. G. Makeyev, Cand Tech Sci

"Avtogen Delo" No 5, pp 4, 5

Discusses results of expts for finding melting rate-welding current relationship which, according to the author, has not yet been clearly established. Concludes that melting coeff for electrode of given diam decreases with increase in welding current.

MAKEYEV, M. G.

PA 160723

MAKEYEV, M. G.

M

MAKETET, M.F.; MORALEVICH, O.D., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Schedule of passenger steemboat lines of the central basins for the 1959 meason] Respisante dvishantis passantirskith sudov parokhodstv tsentral nykh basseinov na navigatsiiu 1959 midov parokhodstv tsentral nykh basseinov na navigatsiiu 1959 goda. Moskva, Izd-vo "Rechnoi transport," 1959. 63 p. (MIRA 12:7)

(Steemboat lines--Time-tables)

MAKEYEV, M., inzh. Increase the profitability of passenger transportation. Rech.

(MIRA 16:9)

transp. 22 no.6:5-6 Je '63.

(Merchant marine—Passenger traffic) MAKEYEV, M.F., inzh.; DEVYATAYEV, M.P., Geroy Sovetskogo Soyuza Rapid transportation of passengers on inland waterways and outlook for its growth. Rech. transp. 17 no. 7:11-13 J1 158. (MIRA 11:8) 1. Kapitan teplokhoda "Raketa" (for Devyatayev).
(Inland water transportation)
(Motorships)

MAKKEV, M. F.

Prigorodnoe i wautrigorodskoe rechnoe soobshchenie. Suburban and interurban Prigorodnoe i wautrigorodskoe rechnoe soobshchenie.

Prigorodnoe i wautrigorodskoe rechnoe soobshchenie. Suburban and interurban prigorodnoe i wautrigorodskoe rechnoe soobshchenie.

Prigorodnoe i wautrigorodskoe rechnoe soobshchenie.

Prigorodnoe i wautrigorodskoe rechnoe soobshchenie.

DLC: HE561.R8

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassfied

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

L 04254-67

ACC NR: AP6005378

made in different planes in the shaft of the distributor. A bushing with two diametral channels (which coincide with the annular port and the diametral channel of the distributor) is mounted on the shaft of the distributor. The outer surface of this bushing has four bare spots perpendicular to the axis of each diametral channel. The channels of the cover for delivery and removal of the working fluid are diametrally coupled and coincide with the diametral channels of the bushing. In each channel of the cover is a fixed cup with a convex spherical end, clamped by a spring centered in this cup to a disk with a concave spherical end, which is clamped by the opposite flat end to the bare spot on the bushing.

0

SUB CODE: 13/ SUBM DATE: OLJul63.

fv

Card 2/2

L 04254-67 EWE(m)/T

ACC NR: AP6005378

SOURCE CODE: UR/0413/66/000/001/0122/0122

AUTHORS: Volkov, V. N.; Gurevich, A. Ya.; Makeyev, M. A.; Studenikin, S. P.; Shchekotov. V. P.

ORG: none

TITLE: A radial-piston hydraulic engine. Class 47, No. 177726 Zannounced by All-Union Scientific Research Institute of Building and Road Construction Machinery (Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya)_/

SOURCE: Izohreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 122

TOPIC TAGS: bushing, shaft, hydraulic device, piston engine

ABSTRACT: This Author Certificate presents a radial-piston hydraulic engine containing a stator with a profiled inner surface, a rotor (in the radial hollows of which pistons are placed), a radially positioned journal distributor of the working fluid with two systems of longitudinal channels for delivery and removal of the working fluid, and a cover attached to the stator with channels for delivery and removal of the working fluid. To increase the operating reliability of the hydraulic engine by complete removal of lateral retarding forces from the distributor, the systems of longitudinal channels of the distributor are arranged symmetrically about its axis and are coupled, correspondingly, with an annular port and a diametral channel

Card 1/2

UDC: 621.225

RAYEN-BOUNSLAVSKIY, Boris Sergeyevich, kand. tekhm. nauk; GLUSHKOV,
Beotgiy Ivenovich, doktor tekhm. nauk; THACHENKO, Andrey
Stepanovich, kand. tekhm. nauk MANVELOV, León
Ivanovich, kand. tekhm. nauk; WILOKATOV, Nikolav
Vasil'yevich, kand. tekhm. nauk; WILOKATOV, Nikolav
Ivanovich, kand. tekhm. nauk; TOLMACHEV, Ivan Nikolavevich,
Ivanovich, kand. tekhm. nauk; TOLMACHEV, Ivan Nikolavevich,
kand. tekhm. nauk; RIBAN, Fedor Iosifovich, kand. tekhm.
kand. tekhm. nauk; RIBAN, Fedor Iosifovich, kand. tekhm.
nauk, MAKTEV, N.S., nauchmyr red.; DEHERDEYEV, B.S., red.;
GALAKTIONOVA, Ye.N., tekhm. red.

[Durable pavement for airports] Zhestkie pokrytiia aerodromov. [by] B.S.Reev-Bogoslovskii i dr. Moskva, Nauchnodromov. [by] B.S.Reev-Bogoslovskii of the Moskva, Nauchnodromov. [by] B.S.Reev-Bogoslovskiii of the Moskva, Nauchnodromov. [by] B.S.Reev-B

127-58-5-24/30

. Manipulators for Drilling Shot-Holes in Drifting Horizontal Mining Workings

There is one photo and one figure.

ASSOCIATION: Karnasurtskiy rudnik (Karnasurtskiy Mine) Yenskaya geologo-razvedochnaya ekspeditsiya (Yena Geologic-Prospecting Ex-

pedition)

Library of Congress AVAILABLE:

1. Drilling machines-Installation 2. Drilling machines-Improvement Card 2/2

MAKEYEV, I V

127-58-5-24/30

AUTHORS:

Makeyev, I.V., Director of the Karnasurt Mine, and Tuayev,

A.A., Mining Engineer

TITLE:

Manipulators for Drilling Shot-Holes in Drifting Horizontal Mining Workings (Manipulyatory dlya bureniya shpurov

pri prokhodke gorizontal'nykh vyrabotok)

PERIODICAL:

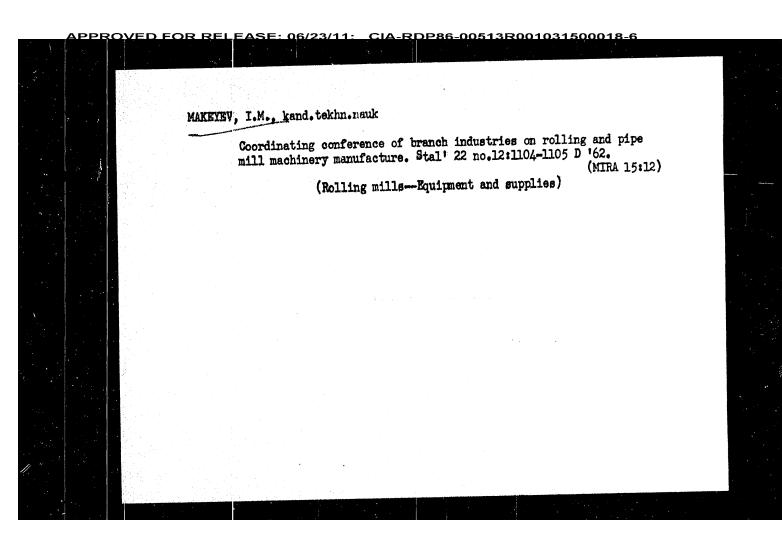
Gornyy Zhurnal, 1958, Nr 5, p 75 (USSR)

ABSTRACT:

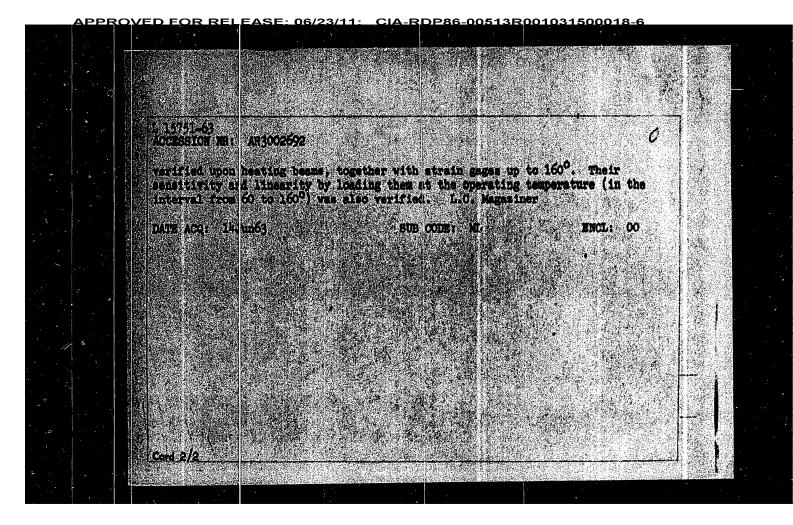
According to a proposal of Mining Engineer A.A. Tuayev, manipulators for installing pneumatic drilling machines were mounted on the PML-5 rock-loading machine. They were constructed and applied in the Karnasurt Mine. The manipulator weighs about 220 kg and consists of 4 dismountable units. These devices have operated in the Lovozerskiy gorno-obogatitel nyy kombinat (Lovozero Mining Concentration Combine) for over 3 years with good results: one drilling machine, with the manipulator, drills 24 shotholes, each 1.8 m deep, in 5.5 to 6 hours, thereby exceeding the capacity of conventional drilling by 50%. The labor of drilling workers was considerably facilitated. Two manipulators can be mounted on one rock-loading machine.

Card 1/2

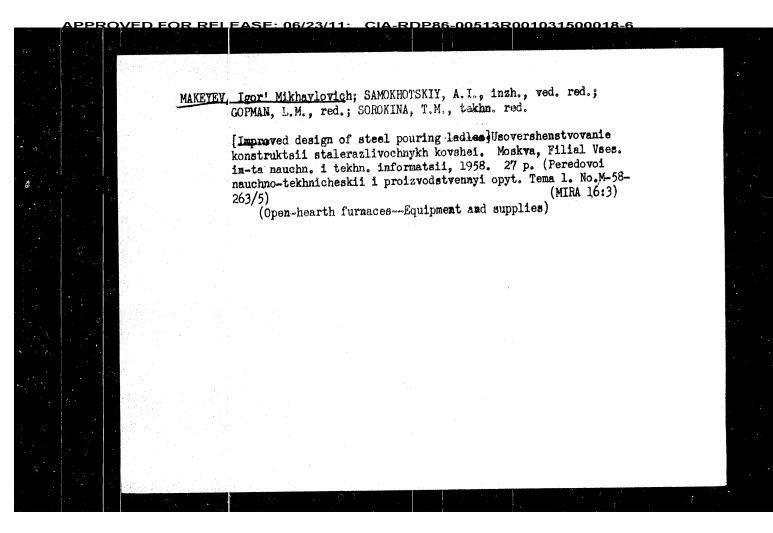
APPROVED	FOR RELEAS	E: 06/23/11: 0	CIA-RDP86-	00513R001	031500018-6		
		EMP(+)/EMT(h)/BDP	S APPEC				
	<u>19164-62</u>			5/124/63/000/	004/063/064		2 -4
	HOR: Borozo	C. B. A., He tever	<u>, I. U.</u>		50	}	
A.	ME: Laterna Tronal	inevitor of the total conditions	i sisvesses in 27	large machine	parts under of	oera-	
PD	ja sa ta	tivnyy zhurnal, M ses. n1. proyek so, 1, 254-257+)	ekhenika, no. tno-konstrukt.	4, 1963, 74, in-ta metall	abstract 4V615 urg. mashinosti	•	
üA (G	L'atrasaes in lar e amiliang cairo esamatens e a the	scribes a procedu ge elements of ma wlar groove and g ir temperature co	chine units. ives a method mpensation. I	de presents a for labeling le notes who s	scheme for a c the sockets of reat accuracy c	re- of the	•
	esurements of res thods,	idnel étresses by	TAR MESSION II	i diamentor	(
	sträcter's lote:	Complete to mala	itao (4)				
0.4	ra 1/1			Application of the second seco		del complete de la co	
			5				e**



CIA-RDP86-00513R001031500018-6 MAKETEV, I.M., kand.tekhn.nauk Strength investigation and methods of designing steel-pouring ladles. (MIRA 13:9) Stal' 20 no.9:799-803 S '60. 1. Veseoyuznyy nauchno-issledovateliskiy institut metalloobrabotki i mashinostroyeniya. (Open-hearth furnaces -- Equipment and supplies)



		The second secon				i.
	Contract Contract	301/341 (3/8) 4/224 10/41/39/8		di/Bir(s)/sps um	C/VB) .	
G	Affection of the	AR3002692		8/0124/63/000/005		
	eleganis kiri	, Melthenika, Aba. 5y6	u iii		" 80 ·	
	Averior 1 1/4)	iver, Talka <mark>Percebu</mark>	<u>B.A.</u> ' jy	4		
	opaudkajo silisy. Praytoritas	in gauge Tol measurem Serationes	ent of static de	<u>formations</u> under con	ditions of	
	(engusi) Biyabiya Biya (966)	77: Year an-L. pr	greting-konerrük	i. in-te metallurg. :	sashinos tr.,	
		Strain gauge, static	///www.tra			
		Mechniques are press perate at clevated to		feliopsent of vire sta	ato gages ;	
	沙原族之一 化二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	die View II (die 1916 17 fals George (1918)				
		建设。这个面包是是有关的。		A Laborator State Control of the Con	But the state of t	
		The Tasilius of waste Dry (woodskilms) the c	Chr. the reme as	o property of a Thorace	tests	
	Great/2			i de la compania del compania del compania de la compania del la compania de la compania del la compania del la compania de la compania del la compania d	PRIJULI VSB	
				Legation and		
	Q				A CONTRACTOR OF THE PROPERTY O	



MAKEYEV, I. M.: Mester Tech Sci (diss) -- "Investigation of the strength of steel-casting ladles". Moscow, 1958. Published by the TSENTI of Heavy Machinebuilding. 22 pp (Glavniiproyekt Main Designing of the Gosplan USSR, Central Sci Res Inst of Technology and Machinebuilding TSNIITMash), 160 copies (KL, No 1, 1959, 120)

CIA-RDP86-00513R001031500018-6 ENT(m)/EWA(d)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HW Ace ike at olara UR/0133/65/000/009/0844/0844 SOURCE CODE: AUTHOR: Crishkov, A. I.; Makeyev. I. F.; Dello. ORG: Central Scientific Research Institute of Ferrous Metallurgy im. I. P. Bardin (Tsentral ny nauchno-issledovatel skly institut chernoy metallurgii) TITIE: Development of technology for colling heat-resisting steel and alloy sheet made of stainless and acid-resistant steels SCURCE: Stall, no. 9, 1965, 844.
TOPIC TAGS: metal rolling, heat resistant steel, stainless steel, sheet metal, steel, ductility, material deformation, solid mechanical property/KhN67VMTYu steel ABSTRACT: NhN67VMTYu steel possesses satisfactory ductility in the 950-1180°C range and has increased strength properties (2-4 times more than steel 45) in the same temperature range. Below 1000°C, deformation resistance increases significantly. An appropriate rolling condition with not more than 7% reduction per pass is recommended. Developed and tested was the technique for producing large sheet measuring 8-15X1000X2500-3000 mm made from slabs measuring 120X500X1050 mm (used to equip the "Krasnyy Oktyabr'" Plant) which were rolled into billets on the three-high Layta 2200 Rolling Mill with a single intermediate preheating to (120-> 70-> 25) mm and further on the 1700 Mill (to a 15-mm sheet with one intermediate heating, to a 8-10 mm sheet with two intermediate preheatings). The mechanical properties of () the sheet in the supplied condition (after quenching from 1100-1130°C by a water spray) were as follows (minimum): UTS = 100 (980) kg/mm² (Mn/m²); $\delta = 18\%$, $\rho = 20\%$, $\alpha \times = 5$ (0.49)kg/cm² (mj/m²). [JRS] SUB CODE; 1, 13, 20' / SUBM DATE: none UDO: 621.771.23.001.5

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

NOVIKOV, V.; MATVEYEV, Yu.M.; RUZHINSKIY, M.B.; BATIST, A.I.; TOSSEL', G.;
KOROLEV, M.; 1VANTSOV, V.; ARONOV, I.; SVETLAKOV, V.; ZAYONCHIK,
L.Z.; RASPOPOV, I.V.; SERDYUKOV, G.V.; GRISHKOV, A.I.; MAKEYEV, I.F.;
DELLO, A.A.; SHUMNAYA, V.A., inzh.; SPIRYAGIN, L.P., inzh.; GRISHKOV,
A.I.; KARDONOV, B.A.; BURDIN, V.M., kand. tekhn. nauk; MOLGACHEV,
D.A., inzh.; MUZALEVSKIY, O.G.; RIVKIN, A.A.; KEYS, N.V.; KOMISSAROV.
A.I.

New developments in research. Stal' 25 no.8:842-845 S '65. (MIRA 18:9)

MAKEYEV, I.F., kand. tekhn. nauk

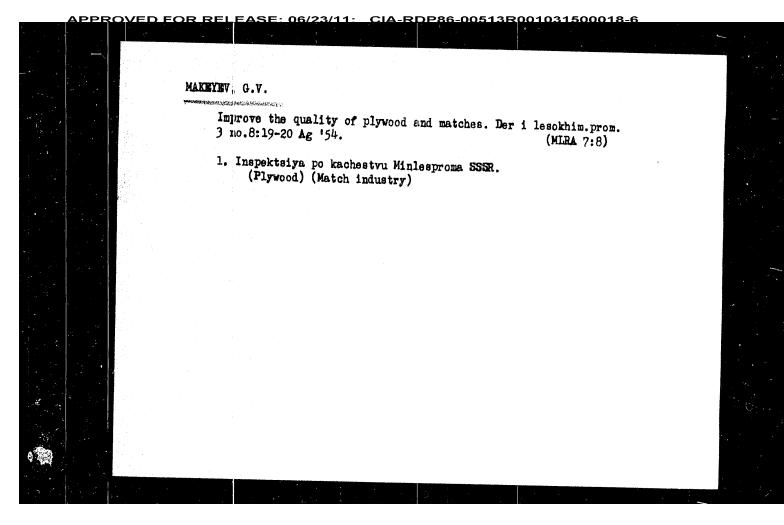
Tension adjustment as a function of power during the rolling of steel strips on rolling mills with many rolls. Shor. trud. 75MIIOHM no.1445-26 '56. (MIRA 12:5)

(Rolling (Metalwork))

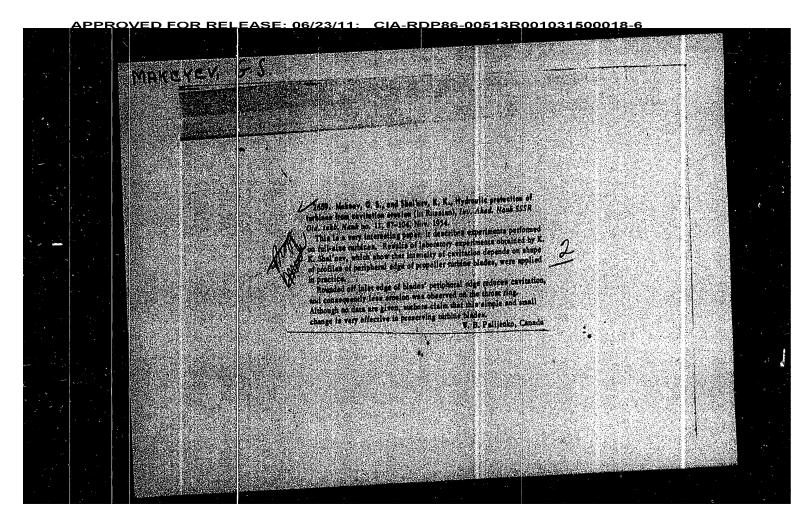
MAKEYEV, I. F. -"Maintaining Constant Tension as a Function of the Electromagnetic Power of a Reeler Motor." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst Imeni V. M. Molotov. Moscow, 1955.

(Dissertation for the Degree of Candidate in Technical Science).

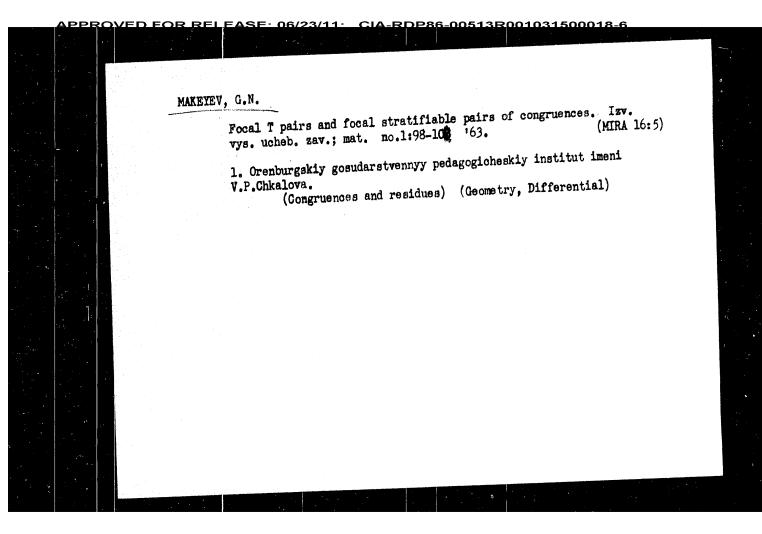
SO Knizhanay letopis'
No 2, 1956



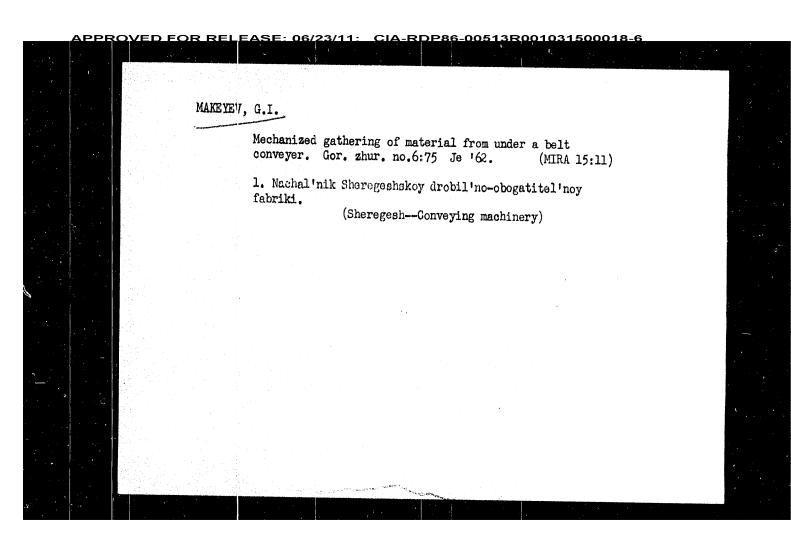
MAKEYEV. C.S., inzhener. Hydraulic method of preventing cavitation corrosion in hydraulic turbines. Gidr. stroi. 23 no.8:30-32 '54. (MLRA 8:1) (Rydraulic turbines--Corrosion)



MAKEYEV, G.N. (Orenburg) Focal parabolic pairs of congruences. Izv. vys. ucheb. zav.; mat. no.2: 70-83 63. (MIRA 16:3) (Congruences and residues)



CIA-RDP86-00513R001031500018-6 BYKOV. P.B.; KHANKIN, L.D.; MAKEYRV. G.M., inzhener, retsenzent; GEL'MAN, V.G., inzhener, redaktor; POPOLOV, Ya.N., inzhener, redaktor izdatel'stva; TIKHONOV, A.Ya., tekhnicheskiy redaktor [Reducing setup, man and down time in lathe work] Sokrashchenie vspomogatel nogo vremeni pri rabote na tokarnykh stankakh. Moskva, Gos, nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 166 p. (MLRA 9:12) (Turning)



PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

Automated ring furnaces control .

S/118/61/000/001/001/005 A161/A133

The KY-2 push button disconnects the automatic control circuit. The work at the output window is the same as at the input, however, the brush collect-or contacts trolley No.3 giving the command for the count relay, since the furnace hearth must turn after discharging two or three billets. The angle through which the hearth turns is determined by an electronic time relay (the turn can also be limited by a way switch). The remote control system has been provided for four ring furnaces. The control operators are eliminated. The annual economy amounts to 200 thousand roubles. There is 1 figure.

Card 5/8

Automated ring furnaces control ...

S/118/61/000/001/001/005 A161/A133

fier output relays, P11-P14, pull in simultaneously thus disconnecting the KA coil circuit. The intermediate amplifier can transmit two commands at a time, producing opposite currents in the line. They will not be compensated because the current flows in different half-cycles. The PPB relay is connected to the communication trolley No.3 through the intermediate amplifier ΠY -3, and it pulls in when the circuit on the charging machine is closed through VIT -3. The N38 (PZV) transistors are operating without overheat. The remote control can be operated in three different ways: manual operation from the charging machine, automatic and manual operation from the furnace operator's place. The remote control consists of a control panel on the charging machine with command keys and push buttons, and communication trolleys receiving commands (pulses) from the charging machine through a brush collector. There are three trolleys for each furnace, two of them for all commands at corresponding windows and the third (that is beside the communication trolley at the output window) for the counting of billets moving out. This trolley has a separate command amplifier. When the charging machine is at a window, automatic control is switched on by the KY-1 push button, the rotation of the furnace hearth by the YIT-2 key ("foreward" or "backward"), the window gate lifting by the 9Π -3 key (and lowering, by releasing the key). Card 4/8

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6</u>

Automated ring furnaces control ...

S/118/61/000/001/001/005 A161/A133

capacitor connected parallel to this resistor will be simultaneously charged. This voltage will oppose the opposite positive voltage. The potentials on the transistor bases in relation to the emitters will be: on the 1M3 (1P3) transistor $\pm 0.8-3$ v = -2.2 v; on the 2 π 3, +3 v - 2.2 v = +0.8 v, where +0.8 and +3 v is the opposite voltage on the corresponding bases of the $1\Pi 3$ and 2173 transistors, produced by the winding (IV) of the intermediate amplifier transformer. Thus, the 1173 transistor is open and P11 relay is pulled in, and the 2173 transistor is closed and the P12 relay off. When the $y\pi-2$ (UP-2) switch is moved into position "backward", the voltage on the 220-ohm resistor will be 13 v. The transistors base voltage is now: on the $1\Pi 3$, +0.8 -13 v = 12.2 v, and on the 2π 3, +3 v -12.2 = -9.2 v. Both transistors will be open and the P11 and P12 relays pulled in. The second half of the amplifier receiving commands from YM-3 and RY-1 (N-1) works likewise, but the current in the communication trolley flows in the other direction, i.e., from the winding (III) of the transformer, and two other commands are transmitted by the trolley. When transmitting four commands, the output relays of the amplifier will operate in the following way: command I - the relay P11 is pulled in; II - P11 and P12; III - P13; IV - P13 and P14. The fifth command is produced by artificial grounding of the trolley (KY-2). All the ampli-

Card 3/8

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

Automated ring furnaces control ...

S/118/61/000/001/001/005 A161/A133

contact channel was 40.9 Mc, which corresponds to a 7.33 m wavelength. The number of signals was four, transmitted with audio frequencies of 960, 1,100, 1,300 and 1,700 cycles. On repair days in the shop the reception was clear for a long time, but in work days the electric drives and machines caused interferences and false operations. Besides, the passing overhead cranes reduced the signals. The complexity of the system, the absence of alternating current on the charging machine and the lack of noiseproof feature made it expedient to choose the contact channel. Since five individual trolleys for each command were not possible, all five necessary commands had to be transmitted by one channel. The problem was solved by the polar-amplitude principle, which was achieved by semiconductor diodes and resistors producing two amplitudes of one polarity and two of the other. The fifth command is obtained by grounding the communication trolleys. It was possible to place them parallel to the rails head on the charging machine platform. A trolley voltage of 12 v was chosen for safety, and transistor amplifiers used after the trolleys. An intermediate amplifier works as follows (see diagram). If the switch (MT-2) on the charging machine is set on "foreward", a 3-volt current will flow into the transformer winding (II) and 220-ohm resistor. The

Card 2/8

S/118/61/000/001/001/005 A161/A133

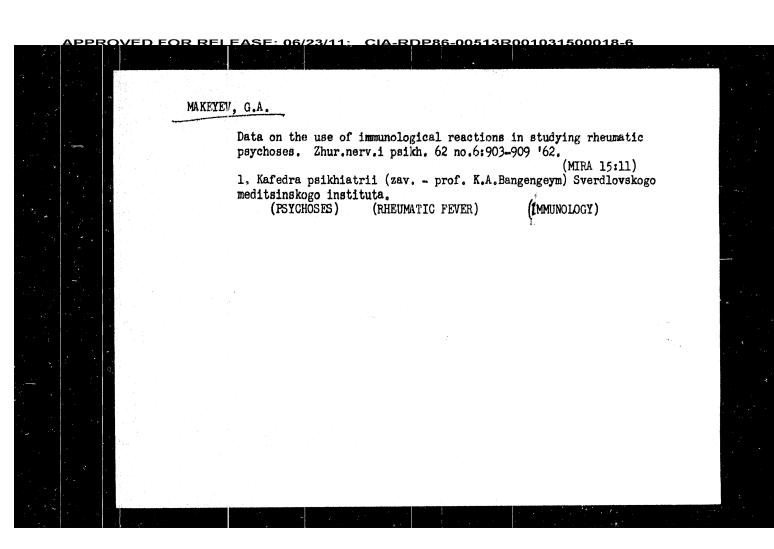
AUTHORS: Makeyev, G.F., Engineer; Vasyushkin, V.V., Technician

TITLE: Automated ring furnaces control in wheel rolling shop

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 1, 1961, 19-21

TEXT: The ring furnaces for the heating of billets prior to rolling and of wheels prior to hardening at the Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I. Lenina (Nizhniy Tagil Metallurgical Combine im. V.I. Lenin) have a rotary hearth and two windows with gates. The charging machines on the hearth level are working on direct current. The control was effected from separate control stations for each furnace. The Central Automation Laboratory of the Combine together with wheel shop technicians tested two different remote control communication channels between the loading machine and the furnace controls: a non-contact ultra-short wave channel, and a contact channel with an auxiliary trolley. The carrier frequency of the non-

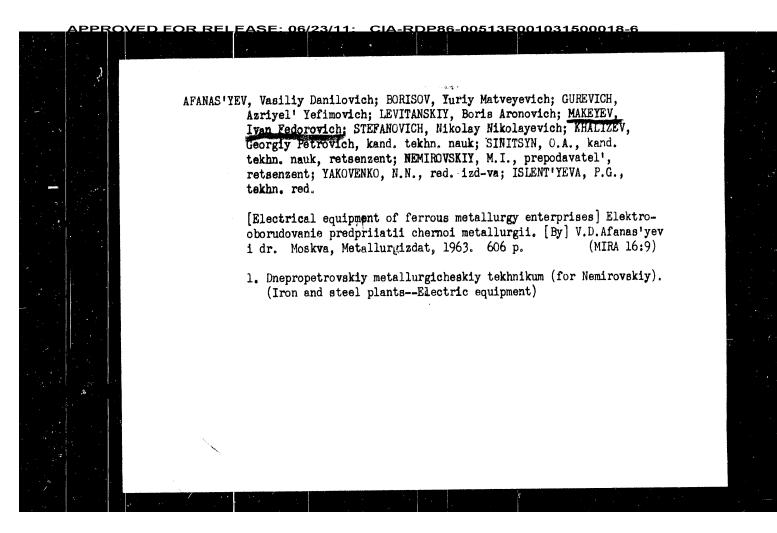
Card 1/8

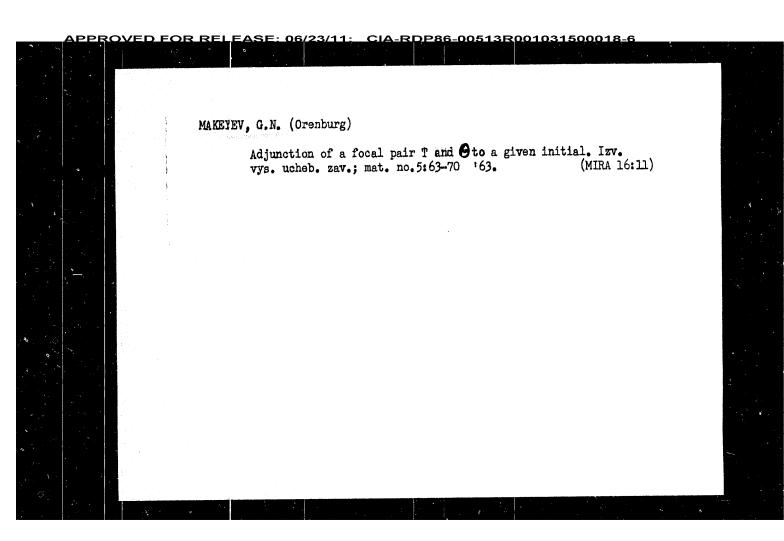


MAKEYSV, G. A. -- "Materials on Psychoses Connected with Pyogenic Infections." Sverdlovsk State Med Institute, Sverdlovsk, 1956. (Dissertation for the Degree of Candidate of Medical Sciences)

S0: Knizhnava Latopis' No 43, October 1956, Moscow

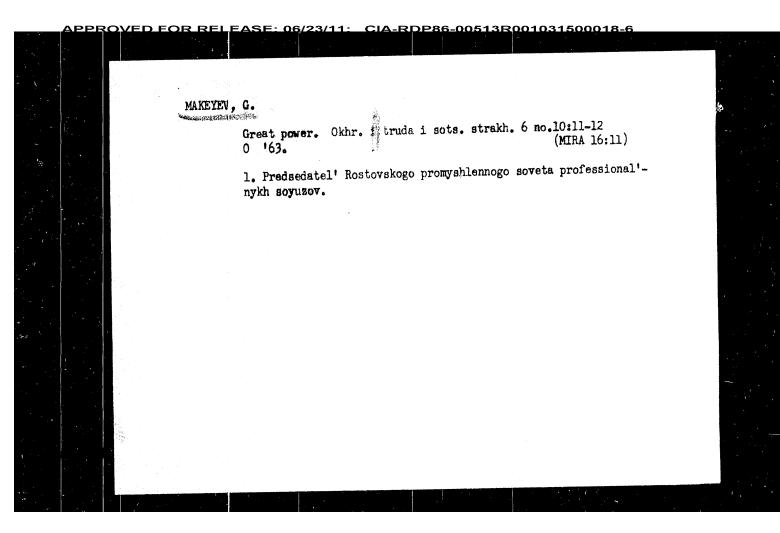
SLEPUSHKIN, Ye.I.; BURDIN, V.M.; KRAYUSHKIN, S.V.; MOLGACHEV, D.A.; Prinimali uchastiye: MAKEYEV, I.F., SHCHITOVA, V.M. Experimental investigation of magnetoelastic dynamometers used in measuring metal pressure on rolling-mill rolls. Sbor. trud. TSNIICHM no.30:129-135 '63. (MIRA 16:10 (MIRA 16:10) (Dynamometer)





MAKEYEV, C.N. (Orenburg)

Focal pairs 0. lav. vys. ucheb. zav.; mat no.4:92-98 '63. (MIRA 16:20)



CIA-RDP86-00513R001031500018-6

MAKEYEV, F.T.

AID P - 3519

Subject

: USSR/Power Eng

Card 1/1

Pub. 26 - 13/30

Authors

: Agafonov, M. S., F. T. Makeyev, and M. S. Filippov, Engs.

Title

mental example of the property : 25 years of operation of the Chelyabinsk State Regional

Power Plant of the Order of Lenin

Periodical

: Elek. sta., 9, 42-43, S 1955

Abstract

The article describes the 25 years of operation of this power plant, without mentioning any engineering details. Names of workers and repairmen are given.

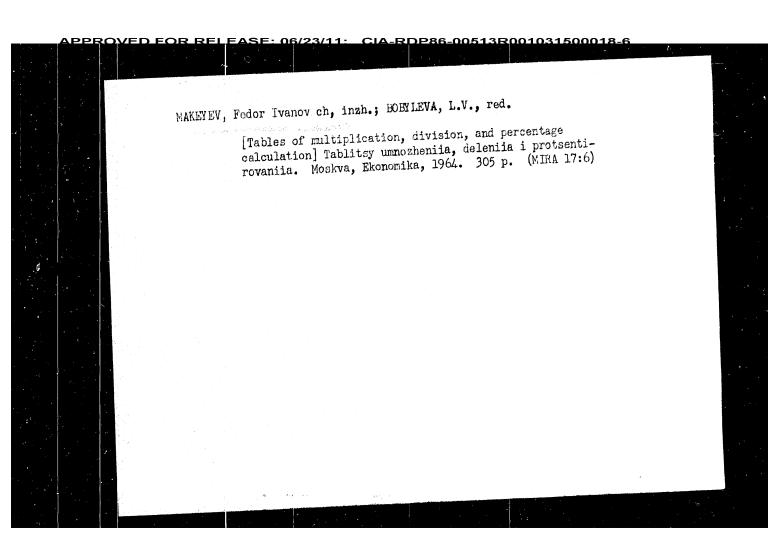
Institution : None

Submitted

: No date

SLEPUSHKIN, Ye.I.; SHCHITOVA, V.M.; MAKEYEV, I.F. Line diagrams of magnetoelastic pressure transducers, Izm. tekh. no.9:16-20 S '63. (MIRA 17:1) BALYCHEV, O.N.; ZHILKO, E.I.; MAKEYEV, I.F.; SHIBAYEV, I.P. Command and executive device for automatic control of a charge distributor depending on the gas temperature along the charge hole circumference of a blast furnace. Sbor. trud TSNIICHM (MIRA 16:10) no.30:23-27 163. (Blast furnaces-Equipment and supplies) (Automatic control)

CIA-RDP86-00513R001031500018-6 ZAYTSEV, M.L.; MAKEYEV, I.F.; IGNATOVA, R.G.; NIKOZOV, A.I.; PATSEKIN, P.P. Effect of rolling conditions on the 250-2 MMK finishing mills on quality of rolled rods. [Shor. trud.] TSNIICHM no.29:155-170 (MTRA 17:4) 163.

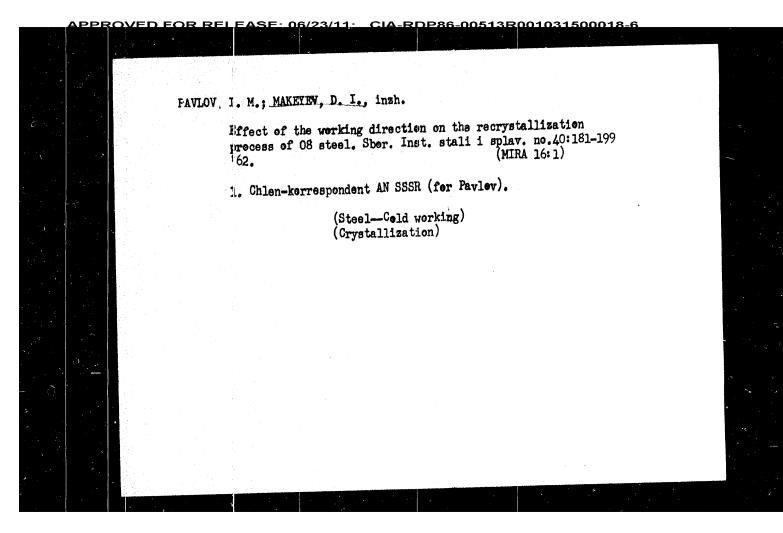


MAKEYEV, Fedor Ivanovich, inzh.-geodezist; KIMMEL, L.S., red.izd-va; GRECHISHCHEVA, V.I., tekhn. red. [Stadia reduction tables] Takheometricheskie tablitsy. Moskva, Goslesbumizdat, 1963. 318 p. (MIRA 16:12) (Stadia tables) YAROVENKO, V.L.; PYKHOVA, S.V.; USTINNIKOV, B.A.; LAZAHEVA, A.N.; MAKEYEV, D.M. Fermentative hydrolysis of starch in continuous alcohol fermentation. Ferm.i spirt.prom. 31 no.1:5-10 '65. 1. Vsesoyuznyy nauchno-issledovatel skly institut fermentnoy i spirtovoy promyshlennosti.

MAKEYEV, D. I., insh.

Anisotropy of the mechanical properties of 08 steel depending on the direction of working and the temperature of recrystallisation, Sbor. Inst. stall i splav. no.40:200-209 '62. (MIRA 16:1)

(Steel—Cold working)
(Metals, Effect of temperature on)



<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6</u>

The influence of deformation ...

33167 S/148/61/000/011/007/018 E111/E480

 χ

grains similar in the longitudinal and transverse planes. Increase in reduction from 51% to 84% gave a considerably finer grain after recrystallization. Annealing in a salt bath (temperature fluctuations ± 5°C) was also carried out. A characteristic peculiarity of the structure is that directionality is more pronounced in the longitudinal plane. It appears that an increase in second and third order strains leads to earlier recrystallization with more centres of crystallization and finally references.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: August 30, 1960

Card 3/3

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6</u>

The influence of deformation ...

3/167 S/148/61/000/011/007/018 E111/E480

became dependent when deformation was raised to 21%reduction, Vickers hardness rose to 163-174, the lower value corresponding to a deformation-ratio value of unity, the higher to one of 1.94 and measured transversely to the rolling axis (170 along). With 84% deformation, there was little further increase in hardness for specimens rolled with $\mu/\beta=1$, but on rolling in only one direction it rose to 201 transversely and 180 along the rolling axis. As expected from these effects, microstructure observations showed that recrystallization of steel rolled in one direction began earlier and proceeded faster at 600 C than that of steel rolled with $\mu/\beta=1$. Heating to 700 C made the structure more uniform and grains more equiaxial. With $\mu/\beta = 2$, grains were finer than with the ratio equal to $1_{_{\rm F}}$ this relation holding even on complete annealing at 950°C; although recrystallization produced mainly equiaxial grains, size differences persisted. Increase in reductions to 84% led to a more elongated structure and a greater effect of deformation ratio: e.g. with $\mu/\beta = 6$, a grain in the end plane was only reduced (compressed) while along the strip length it was both reduced and longitudinally extended. Recrystallization at 600°C resulted in Card 2/3

33167

s/148/61/000/011/007/018 E111/E480

1418 187500

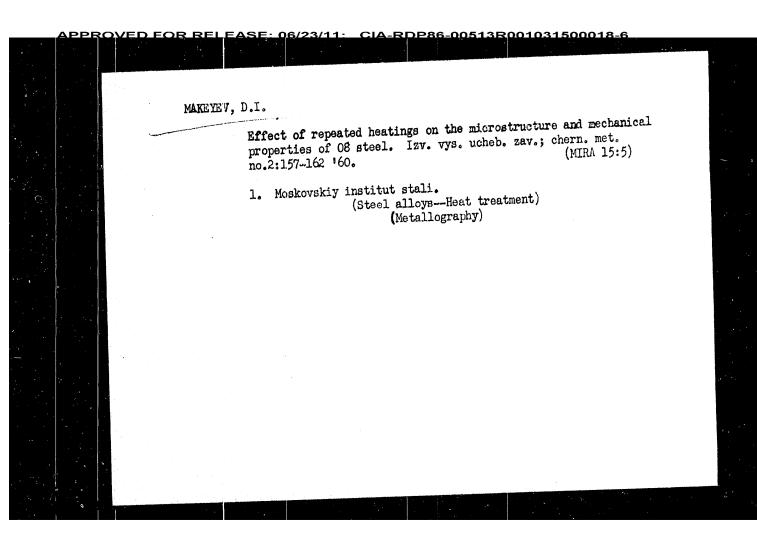
Pavlov, I.M., Makeyev, D.I.

The influence of deformation conditions on the AUTHORS : recrystallization process of type 08 steel

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya

metallurgiya, no.11, 1961, 110-115

One of the authors, $I_{\circ}M_{\circ}Pavlov$, has previously shown the usefulness of studying the effect of the relation of longitudinal and transverse deformation on the structure and properties of The other has described the structure and properties of 08 steel in the initial state (Ref. 4: Izv. VUZ. Chernaya metallurgiya, no,2, 1960). This steel, initially in the form of a 50 x 50 mm square billet, was used for the present work. Before rolling, the steel was normalized at 950°C (Ac3 = 930°C, 15.5 x 50 x 55 mm plates cut from the billet were cold-rolled with total reductions of 9 to 84%, reduction per deformation coefficients μ/β was 1 to 6.08. pass being 1 to 1.5 mm. 9 to 12% led Vickers hardness to rise from 80 - 90 to 126 - 128 Hardness remained independent of changes in the μ/β ratio, but Card 1/3



CIA-RDP86-00513R001031500018-6

137-58-6-12177

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 144 (USSR)

Polukhin, P.I., Makeyev, D.I., Fedosov, N.M. AUTHORS:

Methods of Grooving for a Novel Type of Rail-support Plate TITLE:

(Kalibrovka rel'sovoy podkladki novogo tipa)

PERIODICAL: Sb. Mosk. in-t stalı, 1957, Vol 36, pp 394-413

--test results

Two methods for grooving (G) of rolls employed in rolling a ABSTRACT: novel profile of rail support plates intended for heavy rails (67-75 kg/m) were developed and tested. The G methods gave favorable results when tested under conditions closely approaching actual operating conditions. It is established that rolling of the new rail support plates can be accomplished on rolling mills with rolls ranging from 500 mm to 650 mm in diameter. Of the two methods for \check{G} , the method in which the upper flanges are bent back offers greater advantages, because it permits to achieve shapes of smaller cross section in fewer passes. The employment of the first or second method of G, however, depends upon the specific conditions of rolling. The results of the investigations performed may be utilized in adapting technological procedures for rolling of the new profile of rail support

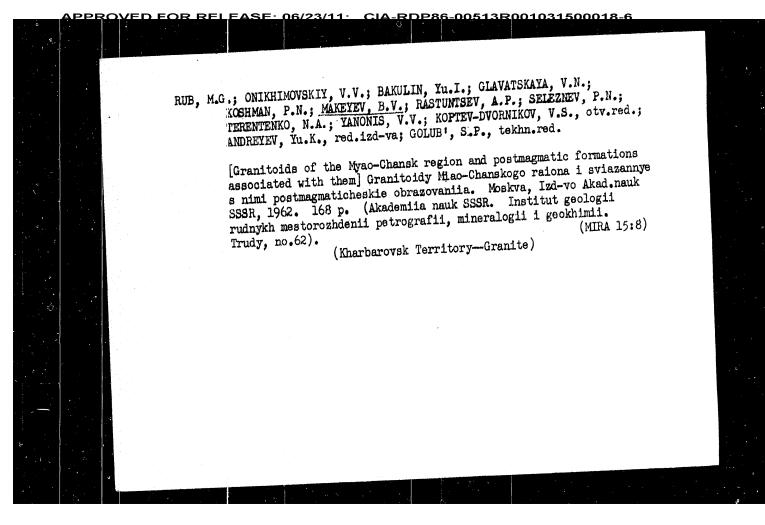
plates. 1. Rolling mills--Design 2. Rolling mills--Test results 3. Metals Card 1/1

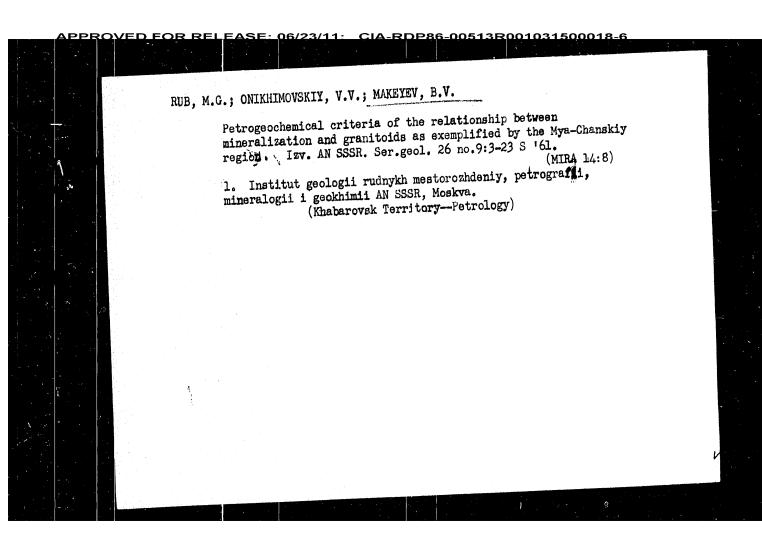
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500018-6

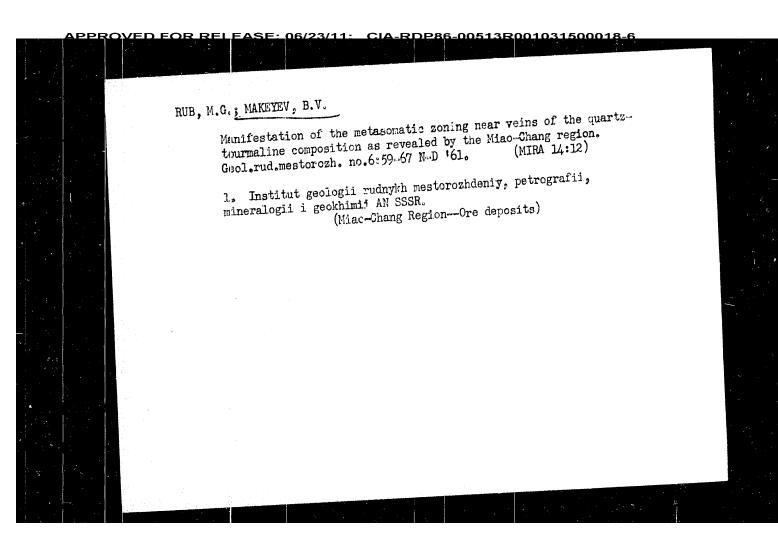
RUB, M. G.; MAKEYEV, B. V.; VASILIYEVA, G. L. (riteria of the consanguinity of intrusive, subvolcanic and offusive rocks as revealed by a study in the Myao-Chanskiy region. [zv.AN SSSR.Ser.geol. 29 no. 1:21-41 Ja 164. (MIRA 17:5) 1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

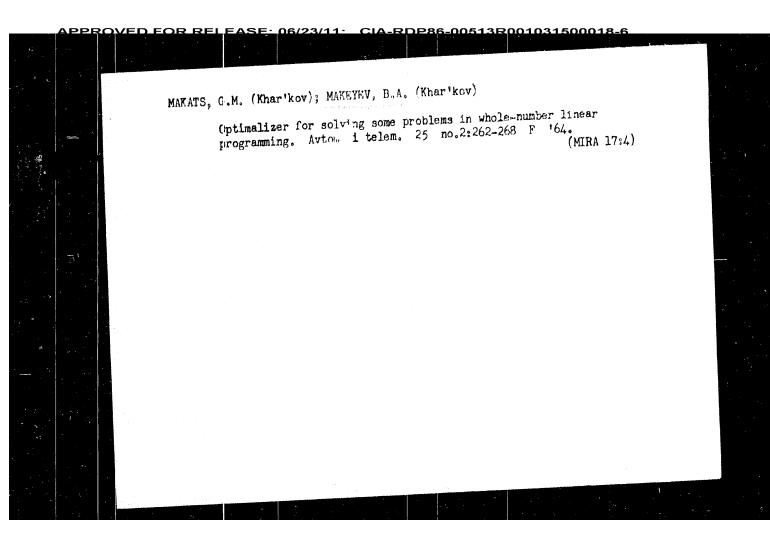
CIA-RDP86-00513R001031500018-6 RUB, M.G.; MAKEYEV, B.V.; SEREZHNIADV, A.I. Eare-earth minerals of acid layes as one of the indicators of the metallogenetic specialization of igneous rock complexes. Izv. AN SSSR. Ser. geol.30 no.7:21-37 J1 165. (MIRA 18:7) 1. Institut geologii rudnykh mestorowhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

SKORZHINSKIY, D.S., otv. red.; AFANAS'YEV, G.D., red.; MAKEYEV, B.V., red.; MORKOVKINA, V.F., red. [Charnokites] Charnokity. Moskva, Izd-vo "Nauka," 1964. 86 p. (Its Doklady sovetskikh geologov. Problema 13) (MIRA 17:6) 1. International Geological Congress, 22d. 1963.









MAKATS, G.M.; MAKEYEV, B.A.; NOVOZHILOV, V.P. Unit for solving the problem of optimum laying-out of a strip for rolling two type sizes. Avtom. i prib. no.4:33-36 O-D '63. (MIRA 16:12) D'YACHENKO, S.K., dotsent; KIRCHACH, N.F., assistent; MAKEYEV, B.A., assistent Determining ultimate torque of a starting safety coupling filled with small shots. Izv.vys.ucheb.zav.; mashinostr. no.8:64-71 '61. (MIRA 15:1) 1. Khar kovskiy politekhnicheskiy institut. (Torque--Measurement)

PROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R001031500018-6

MAKEYEV, B. A.

124~58~9~10573D

Translation from: Referativnyy zhurnal, Mekhanika, 1958. Nr 9, p 160 (USSR)

AUTHOR: Makeyev, B. A.

TITLE: Dynamic Loads in Plastic Tooth Gears (Dinamicheskiye nagruzki v plastmassovykh zubchatykh kolesakh)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Khar'kowsk. politekhn. in t (Khar'kov Polytechnic Institute) Khar'kov 1958

ASSOCIATION: Khar'kovsk, politekhn, in t (Khar!kov Polytechnic Institute), Khar'kov

1. Gears--Stresses 2. Stress analysis 3. Plastics--Applications

Card 1/1

